

Patent Abstracts of Japan

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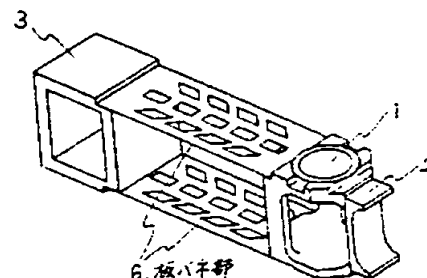
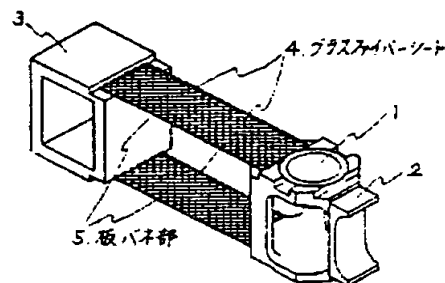
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APPLICANT : SEIKO EPSON CORP;

INVENTOR : KUDO MAKOTO;

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TITLE : STRUCTURE FOR PARALLEL PLATE
SPRING OF HEAD ACTUATOR



ABSTRACT : PURPOSE: To obtain the titled structure with less disturbance due to high-order resonance mode caused mainly by torsion by reinforcing the plate spring in oblique or lateral direction in terms of type of material or the shape.

CONSTITUTION: A glass fiber sheet 4 is adhered to a plate spring part 5 so as to bring direction of fibers is made oblique. In using the an isotropic material in terms of strength, the strength of the plate spring 5 in the oblique direction is increased to enhance the torsional rigidity. Since the spring member 6 punched to leave thickness in the oblique direction has a strength in the oblique direction, the plate having a high torsional rigidity is obtained. The oblique or lateral direction of the plate springs 5, 6 is strengthened in terms of material or shape to obtain a parallel plate spring structure with a high torsional rigidity and it is utilized for the parallel plate spring structure of the head actuator of the optical recording and reproducing device so as to obtain the head actuator with less disturbance in the high order resonance mode caused mainly by torsion is obtained.

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